006233

Diamond Drill Record

COLLAR: ON DOAL LAKE AEX GRID	HOLE SURVEY		
NORTH 12N	FOOTAGE	AZIMUTH	DIP
EAST 72W			
ELEVATION Doal Lake Level			
LOGGED BY U. Jansons			
DATE LOGGED 1 May, 1975			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME CYPRUS ANVIL MINING CORPORATION
PROPERTY NAME Anvil Claims - Vangorda Area
DRILLING CONTRACTOR Arctic Diamond Drilling
ASSAYER Whitehorse Assay Office Ltd.
PURPOSE OF HOLE Updip test for Grum mineralization.

HOLE NO. 456-75-7
CLAIM NAME Rich 36
COMMENCED 25 March 1975
FINISHED 3 April 1975
PROJECT NO. 456

FROM	TO	REC. %	DESCRIPTION	SAMPLE From	SAMPLE To	SAMPLE Width	SAMPLE No.	ASSAYS Pb	ASSAYS Zn	ASSAYS Cu	ASSAYS	STRUCTURE Struct	STRUCTURE Loc.	STRUCTURE Value
0	3	-	Water.											
3	62		Overburden.											
62	102	0.07	Sericite quartz carbonate phyllite; medium gray, 1/8" band of mica and non-mica units, traces of graphite in sericite bands give darker color. Weak $CaCO_3$ reaction, probably SiO_2 in with $CaCO_3$ in light bands. Rock is 50% mica, 50% $CaCO_3$ + SiO_2 bands. Trace pyrite along S2.											
102	112	50	Sericite carbonate phyllite; bleached and brecciated, but S2 still discernible.									S2	100	40°
												S2	111	70
			111-112' - probable fault, gougy punky white bleached phyllite.											
			Mineralization: trace, 0.05%, pyrite along main fractures.											

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FROM	TO	REC. %	DESCRIPTION	SAMPLE From	SAMPLE To	SAMPLE Width	SAMPLE No.	ASSAYS Pb	ASSAYS Zn	ASSAYS Cu	STRUCTURE Struct	STRUCTURE Loc.	STRUCTURE Value
112	260	35	Sericite graphite quartz phyllite; trace $CaCO_3$ (HCl								S2	170	40-45
			reaction). Brecciated to 120'. Rock is 60-70% micas.								S2	206	30
			Poor core, punky, especially at 112½-113, 120½-121½,								S2	215	25
			125(?)-127, 131-133, 140(?)-142, 146½-147½, 150-161,								S2	239	30-40
			162-170, 173-177, 177-183, 185-193, 201-206, 208-211.								S2	258	25
			Cf recovery - better recovery where mica to $CaCO_3$										
			ratio is 1:1.										
			Quartz zones at 147½-149', 183-185, 219-220.										
			Mineralization: Trace to 3% sulfides, all pyrite in										
			sections along S2 and in $CaCO_3$ filled fractures.										
260	297.5	100	Sericite graphitic quartz phyllite; as before, but now	296.5	297.2	0.7	19542	1.48	3.48	.02	S1??	281	to 90
			increasing section of quartzite with pyrite and brown								S2	281	25
			unidentified (Fe silicate) skarny-looking mineral.								S2	295	25-30
			Section getting wider as at 262.4-262.5, 263.4-263.7,								S2	296½	30
			266.2-266.3, 266.6-266.8, 272.0-272.2, 284.5-284.8,										

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				From	To	Width	No.	Pb	Zn	Cu	Struct	Loc.	Value
			285.4-285.9, 288-289, 289½-290.2, 291.5-292.7,										
			295.1-295.3; Bleaching (incipient) along random										
			mica bands.										
			Mineralization: 1-3% total sulfides for section.										
			mainly traces of pyrite along S2 foliations and in										
			with bands in with quartzitic zone @ 296½. and quartzi-										
			tic zones mentioned above; and with fractures @ 296½-297½.										
			Sphalerite approx. 15% in with $CaCO_3$ sericite graphite										
			phyllite. Section shows no bleaching but $CaCO_3$ is										
			higher than above 296½ where reaction to HCl is un-										
			common. No bleaching in this mineralized section.										
297.5	300	100	Sericite graphite quartz phyllite - no $CaCO_3$ reaction,	297.2	300	2.8	19543	2.85	4.38	.14			
			light gray bleached mica.										
			Mineralization: banded rock with disseminated										
			sphalerite with minor PbS as 296½-297½; pyrite in										

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			brecciated zone 299-300.										
						Split							
300	321.5	105	Quartzite with sericite and micas. Mineralized section.	300	300.4	0.4	19544	.03	.04	.03	S1 ?	304	15°
			300-303 Bleached micas-quartz phyllite, total	300.4	303	2.6	19545	Tr.	.02	.02	S2	320	50
			sulfides < 5%.	303	307	4.0	19546	.56	.51	.10			
			303-307 Bleached micas-quartz-phyllite, total	307	309.2	2.2	19547	6.57	7.03	.07			
			sulfides 20-25% of which approx. 70-80%	309.2	310.5	1.3	19548	.65	.42	.08			
			pyrite, 20-25% sphalerite, 0-5% galena.	310.5	312.8	2.3	19549	.03	.04	.02			
			307-309.2 Massive sulfides. Banded, 50-60% total	312.8	313.25	0.45	19550	.78	.63	.10			
			sulfides, 70-80% pyrite, 20%± sphalerite,	313.25	313.9	0.65	19551	Tr.	.04	.03			
			0-5% galena.	313.9	317.8	3.8	19552	2.03	3.24	.13			
			309.2-310.5 15-20% sulfides banded ore in bleached	317.8	318.55	0.75	19553	6.32	7.99	.07			
			mica quartzite phyllite.	318.55	321.55	3.0	19554	.50	.33	.15			
			310.5-312.8 Bleached muscovite phyllite < 5% total										
			sulfides - barren.										
			312.8-313.1 Banded ore as 303-306.										

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				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			313.1-313.9 Barren, bleached, muscovite phyllite as											
			310.5-312.8.											
			313.9-317.8 Banded sulfides 25-30% with quartz and											
			minor bleached micas. Rock brecciated.											
			50-60% (40:20) phyrite + pyrrhotite,											
			30-40% sphalerite, rest galena, trace											
			1% chalcopyrite.											
			317.8-318.55											
			Massive sulfides with bleached silicate											
			"phenocrysts" xenoliths, 60%+ total sul-											
			fides, 80-90% pyrrhotite, 15% pyrite,											
			4% sphalerite, 1% galena, trace chalco-											
			pyrite.											
			318.55-321.5											
			Banded quartzitic ore with minor mica											
			25% totals, bottom contact near banded											

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			ore 40°, banded ore 80°.											
			70-75% pyrite, trace pyrrhotite, 15-20%											
			sphalerite, 4% pyrite, 1-2% chalcopyrite.											
			319.1-321 Sericite quartz phyllite, bleached zone											
			as 396½-397½. Broken up -											
			brecciated.											
			Mineralization - 10% total sulfides,											
			60-70% pyrite, 30-40% sphalerite.											
321.5	419.5	98	Sericite graphite chlorite quartz phyllite; bands 1/8"									S1	326	15°
			or less (graph-graph-sericite) medium to light gray,									S2	349	15
			the more siliceous zones appear to be the more chlorite									S1	343	60-90
			rich, 15 short to 3" quartz sections randomly distri-									S2	343	15
			buted through core. Section from 402-419 increasingly									S2	354	30
			lighter in color due to bleaching or increase in									S2	370	18
			chlorite.									S2	388	15

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				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			Breccia-fault zone 389-389½ not gouge.									S1	413	50°
			S1 especially well-developed in section 328-354. No									S2	413	20
			bleaching at bottom of mineral section.									S2	417	5-10
			Mineralization: trace to 1% pyrite and less											
			pyrrhotite, 99% of mineralization is along S2 surfaces,											
			rest is along randomly distributed hairline fractures.											
			Brownish color to phyllite at 411-413 due to biotite											
			(brown chlorite?) formation. Section is brown bands											
			interlayered with white $CaCO_3$ bands.											
			Breccia 344-344½ - possible fault. Highly broken to											
			346½.											
419.5	435.5	95	Sericite chlorite quartz phyllite; bleached. Section									S2	428	15
			419-420.5 $CaCO_3$ rich and has brown mica (biotite?),											
			unaltered rock approx. 65% quartz, 25% sericite, rest											
			chlorite. Color tan to greenish tan (from chlorite).											

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			Gougy crumbly zone 423½-424 - fault(?)											
			Mineralization: 1-3% total sulfides, only pyrite											
			identified, principally confined along S2 and, to a											
			lesser extent, in minor fractures.											
			Punky-poorly cemented sections 443-445, 474-476.											
435.5	443	77	Graphitic quartz sericite(?) phyllite; medium to dark											
			gray - black, approx. 20-25% graphite section, rest											
			light colored quartz - no HCl reaction.											
			Mineralization: total < 2%, mostly pyrite but short											
			(-3") section at 441, with 10-15% sphalerite.											
443	513	100	Chlorite sericite quartz phyllite; bleached greenish	500	505.9	Chip 5.9	19555	.02	.04	.07		S2	450	10°
			tan color. Micas: quartz 1:1, chlorite:sericite =	505.9	507.4	Split 1.5	19556	.18	.27	.02		S2	459	10-15
			2.5:1.	507.4	507.6	Split 0.2	19557	.02	.04	.04		S2	477	13
			Mineral bands average less than 1/8".	507.6	509.4	Split 1.8	19558	.06	.03	.18		S2	505	10

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			Mineralization: Average 1-3% total sulfides, pyrite:	509.4	513.05	Chip 3.65	19559	.02	.02	.03			
			pyrrhotite = 1:1 along S2 and in hairline fractures.										
			506-507½ - graphitic quartz phyllite. Quartz bands								S2	507	20-25
			boudined giving brecciated appearance.								S2	513	to 90
			Mineralization: total sulfides 5%, mainly										
			in quartzite bands, pyrite to sphalerite										
			abundance, 4:1.										
						Split							
513	528	104	Chlorite sericite quartz phyllite; as above but	513.05	515.4	2.35	19560	.02	.01	.12			
			significantly higher mineralization, possibly slightly	515.4	518	2.6	19561	.01	.01	.17			
			more bleached.	518	523	5.0	19562	Tr.	.01	.17			
			Mineralization: total sulfides 15-20%, pyrite 60%,	523	528.1	5.1	19563	.01	.01	.08			
			pyrrhotite 40% - no base metal sulfides readily noted.										
528	537	66	Sericite chlorite quartz phyllite; tan to greenish tan	528.1	532.8	Chip 4.7	19564	Tr.	.01	.02	S2	532	10
			color, highly bleached sericite:chlorite 2:1.										

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			Micas:quartz 1:1. Highly sericitic 536-537, brecciated.											
			Gouge 536½-537.											
			Mineralization: decreased to 5-10% total sulfides.											
537	574	96	Chlorite graphite sericite phyllite; medium gray minor									S2	550	10°
			quartzite. Micas:quartz 4:1. Minor incipient									S2	561	10
			bleaching, poorly cemented core, readily breaks into											
			disks parallel to S2. Two short sections to 1" of											
			biotite with quartzitic bands.											
			Soft broken sections: 537-537.5, 534-534.2 breccia,											
			541-543, 546-548, 554-555.5, 560-561.5.											
			Quartz veins at 563-565, 570-572; other short sections											
			randomly spaced through section.											
												S2	575	7-12
574	675	90	Chlorite sericite graphitic biotite quartz phyllite,									S2	598	5
			chlorite (60%), sericite (30-35%), with traces (5%) of graphitic biotite (1-5%), partly									S2	615	10

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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			bleached; gray to greenish gray in color. Darker gray									S2	640	5
			sections have higher biotite (brown mica) content or									S2	670	3-5
			variable graphite sericite content. Longest biotite											
			phyllite section 662-663. This section is also											
			carbonate-rich (HCl reaction) - other sections do not											
			show this. In general, the brown mica sections tend											
			to be $CaCo_3$ rich.											
			Color of section alternates from gray to greenish gray											
			2-3' zones - lighter color in part due to bleaching											
			which varies from 5% to 15%.											
-			Punky sections: 602-603, 604-607, 634-635, 653-653.3,											
			658-659, 667-668.5, 670-672, 674.5-675.											
			Mineralization: section < 1% (only traces) of sulfides.											
			Most are concentrated along 1" or less bands which are											
			randomly distributed through section parallel to S2.											
			Most of sulfides to 90% is pyrite with occasional											

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				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			pyrrhotite (10% of total) and traces of galena and											
			sphalerite.											
675	730	99	Biotite(?) - brown mica, chlorite carbonate phyllite;									S2	720	10°
			micas: carbonate 2:1; appears to increase in											
			carbonate with depth coinciding with decrease											
			in biotite content. In general, color also changes											
			from brown to gray-brown with sections of core looking											
			like limestone.											
			Mineralization: sulfides average 2% for section with											
			short (2-3") runs approx. 5%. Mainly (90%) is											
			pyrrhotite (60%) and pyrite (40%) with carbonate bands											
			in short sections (1"), up to 20-25% of sulfides is											
			galena but probably in trace (< 0.1% for section).											
			Upper contact minor (2" zones) of brecciation, also											
			brecciated at 729-730.											

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730	735	43	Fault zone gouge - punky phyllite and clay zone.											
735	736	43	Highly bleached sericite phyllite - brecciated(?)											
736	737	43	Sericite graphite phyllite, upper 2" contact brecciated but rock not bleached.											
737	738	74	Biotite carbonate phyllite; brownish gray same as section 721-730.											
738	745	74	Sericite (40%), graphite (40%), carbonate (20%) phyllite;30-50% bleached. Highly broken 740-742.									S2	740	15°
745	755	56	Sericite phyllite; highly (70%+) bleached; tan color, hairline black bands are pyrite. Mineralization: 1% total sulfides in sections 745-754,									S2	749	50-60

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			754-755. 3-7% increasing towards contact with under-											
			lying zone of graphite sericite quartz phyllite.											
755	762		Sericite graphite quartz phyllite; 20% graphite,									S2	759	25°
			sericite to quartzite ratio 1:1; medium-dark gray,									S2	762	30
			Quartz with minor bleached chlorite zone 760-761, 761½-											
			762.											
			Mineralization: traces of pyrite along S2.											
762	786		Graphitic sericite quartzite phyllite; 85% of section									S2	774	10
			is graphitic sericite, dark gray, generally highly											
			broken except along more siliceous zones at 770-772,											
			774-782 (cf recovery).											
			Punky, possible gouge zone at 782-786.											
			Mineralization: trace pyrite along S2 and along short											
			hairline fractures.											

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786	789	93	Diorite, dike, similar in composition and bleached											
			appearance to batholith in bottom of hole. Mineralogy											
			grain size. Foliation - 50°.											
789	815	100	Chlorite schist, with two short 1' sections of biotite									S2	792	50°
			chlorite schist at 789-791, 805-806, generally coarser									S2	807	50
			grain micas than previous sections.									S2	811	40
			Brecciated and bleached biotite chlorite schist 789-791,											
			fragments not far displaced. Section 815-816 highly											
			bleached "contact" on top of underlying graphitic											
			phyllite.											
			Whole section from 791 to 816 soft and punky - "friable".											
			Mineralization: trace of pyrite noted as fine dissemi-											
			nated individual grains.											

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PROJECT NO.

FROM	TO	REC. %	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
815	862	84	Graphitic sericite phyllite; (dark gray) with short									S2	816	55°
			zones with minor quartz and carbonate content. Varies									S2	823	20
			from 60-100' graphitic mica phyllite with section									S2	825	20
			averaging 75-80% mica phyllite, to less graphitic									S2	833	50
			light gray zone 845 to 853, 825-827, then highly									S2	845	25
			graphitic to bottom of section.									S2	855	30
			Entire section very soft, especially 817-825, 827-830,									S2	861	40
			840-853. S2 foliations variable through section and									S2	861½	5
			soft section may represent fault zone.											
			Mineralization: trace of fine grained pyrite (only											
			sulfides noted).											
862	870.5	102	Chlorite biotite sericite (bleached) quartz carbonate									S2	867	7
			phyllite; greenish brown, chlorite to biotite ratio 1:1,											
			mica section 20% bleached, carbonates 10-20% of rock.											
			Mineralization: traces of pyrite noted.											

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-7
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC. %	DESCRIPTION	SAMPLE From	SAMPLE To	SAMPLE Width	SAMPLE No.	ASSAYS Pb	ASSAYS Zn	ASSAYS Cu	STRUCTURE Struct	STRUCTURE Loc.	STRUCTURE Value
870.5	877	99	Sericite chlorite phyllite; - bleached section, light tan color. Sericite to chlorite ratio 6:4. Mineralization: traces of pyrite, quartz 876½-877.										
877	912	103	Sericite chlorite, minor graphitic sericite quartz phyllite. Sericite to chlorite ratio 3:1. Medium gray, light and dark banded striped appearance - bands less than 1/4". S2 consistent to 890, past this S2 and rock comp. bands highly distorted, increase in $CaCO_3$ zones. Minor bleaching, 10% or less of zone. S1 steep to near vertical. Quartzitic bands are broken giving brecciated appearance to core. Appearance of minor zones of diorite from batholith contact.								S2	891	10°

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-7
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC. %	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
912	946	93	Diorite (Anvil batholith), medium grained white									Mica	bands	
			diorite. Plag. musc. rock.									S2	925	25°
			Contact 55° parallel to foliations at 912 - 2 measure-									S2	945	25
			ments.											
			Diorite bleached kaolinitic to 935¼.											
			Zones to quartz feldspar biotite quartz diorite.											

Diamond Drill Record

COLLAR: ON DOAL LAKE AEX GRID	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH 14N			
EAST 72W			
ELEVATION Doal Lake Level			
LOGGED BY U. Jansons			
DATE LOGGED 2 May, 1975			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME CYPRUS ANVIL MINING CORPORATION
PROPERTY NAME Anvil Claims - Vangorda Area
DRILLING CONTRACTOR Arctic Diamond Drilling
ASSAYER Whitehorse Assay Office Ltd.
PURPOSE OF HOLE Test updip Extension of Grum Deposit on to Anvil's Rich Claims.

HOLE NO. 456-75-06
CLAIM NAME Rich 36
COMMENCED 17 March, 1975
FINISHED 24 March, 1975
PROJECT NO. 45600

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
0	121		Overburden. Clayey zones and diorite boulders to 115'.											
			From 4(?) to 121', 23' of mud and boulders.											
121	251	56.5%	Biotite quartz graphite phyllite; (interlayered bands											
			of quartz and biotite - graphitic). Dark gray color.									S2	144	50
			Bands thicken over short sections to maximum width of									S3 ?	144	70-80
			1" as at 221'. Chlorite developed in with the better									S1	191	90
			quartzite sections.									S2	191	20
			Mineralization: trace amounts of pyrite and pyrrhotite									S2	220	20
			present as discrete grains apparently more common with									S2	246	20
			quartz sections.											
			Rock section is general poorly cemented with core											
			readily broken along S2 micaceous surfaces.											
			Cf. recovery is an indication of cementation and quartz											
			content. Better cemented with higher quartzite content.											

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
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Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-06
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb%	Zn%	Cu%	oz.Au	Struct oz.Au	Loc.	Value
251	254	96%	Biotite chlorite sericite phyllite; medium gray, well											
			cemented, and good coring, color change due to increase	251	254	3	19501	.18	.21	.02	.005	.12		
			in quartz and chlorite.											
			Mineralization: 5-10% total sulfides; consisting 50-70%											
			pyrite and pyrrhotite (ratio 1:3), rest is sphalerite											
			with only traces of galena identified. Best minerali-											
			zation is confined to the chlorite quartzite sections.											
			Mineralization located mainly (80%) along S2 foliations											
			and rest is mobilized into minor cross fractures.											
254	267	76%	Sericite chlorite quartzite phyllite; light gray-tan,	254	258	4	19502	.43	.47	.06	.005	.18		
			bleached zone. Mineralized, well cemented section.	258	262	4	19503	.20	.29	.04	.005	.12		
			Mineralization: Overall 10-15% estimated total sulfides;	262	267	5	19504	.87	.86	.05	.01	.40		
			70% sphalerite, 20% galena, rest pyrite and pyrrhotite.											
			Short intervals to 25% total sulfides with sphalerite											
			predominating.											

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
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DATE LOGGED			
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COMPANY NAME
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PURPOSE OF HOLE

HOLE NO. 456-75-06
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			N.B. - lack of pyrite and pyrrhotite cf. Faro and									S2	262	25°
			Vangorda deposits.											
			Mineralization localized along S2 quartz sections											
			and as fracture fillings; about 50:50 of total sulfide											
			distribution. Best brecciated section 263-264, half											
			of mineralization remobilized into fractures, short 1/2"											
			pyritic section is vuggy.											
267	307	75%	Biotite-quartz graphitic chloritic phyllite, with to ½"									S2	293	30
			biotite and quartz bands - average thickness less than									S2	299	25-30
			1/8". Similar to top sections, medium gray color.											
			In general cores well except for broken zones as at											
			292-292½. Quartz at 275-276, 288-289.											
			Mineralization: no obvious high sulfide zones, section											
			probably averages less than 2% total sulfides with											
			coarse, to ¼", pyrite in quartzitic zones, some pyrite											

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
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DRILLING CONTRACTOR
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PURPOSE OF HOLE

HOLE NO. 456-75-06
CLAIM NAME
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			vuggy, more apparent than the fine grain disseminated											
			pyrrhotite and lesser amount of pyrite in the more											
			phyllitic sections.											
			Best mineralization section, 5-10% total sulfides at											
			297-300 with pyrite and pyrrhotite along S2 in with											
			quartzite bands.											
307	324	97%	Chlorite sericite biotite quartzite phyllite; medium									S1	309	90°
			gray to light gray to greenish gray (due to chlorite									S2	309	5
			increase to biotite:chlorite = 1:1).											
			Gradual change to ligher color with depth.											
			No significant mineralization in section.											
			Some cross fractures filled with $CaCO_3$.											
			Mineralization: probably less than 2% total sulfides											
			for section with minor amounts of pyrite. No pyrrho-											
			tite found in sections checked with hand magnet.											

COLLAR:	HOLE SURVEY		
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COMPANY NAME
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PURPOSE OF HOLE

HOLE NO. 456-75-06
CLAIM NAME
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb %	Zn%	Cu %		Struct	Loc.	Value
				Chip Samples										
324	422	55%	Chlorite sericite quartzite phyllite; "bleached" zone,	324	334	10	19505	.01	.01	.02		S1	353	90°
			Punky sections (fault zones?) 356-357, 358½-359,	334	346	12	19506	.01	.01	.02		S2	353	20
			366½-371, 391-391½.	346	357	11	19507	Tr.	.01	.02		S2	411	25-30
			Mineralization: 10-15% total sulfides for section, of	357	367	10	19508	.01	.01	.02				
			this 50:50 is pyrite and pyrrhotite, no other sulfide	367	387	20	19509	.01	.01	.02				
			minerals readily apparent, but vuggy "boxwork" type	387	401	14	19510	.01	.01	.02				
			zones in with sulfides may be reflecting areas of other	401	414	13	19511	Tr.	.01	.02				
			leached mineral. Mineralization is rather uniformly	414	422	8	19512	Tr.	.02	.02				
			distributed throughout section with 70% of mineraliza-											
			tion located parallel to S2 and rest as fill in minor											
			fractures with sulfides remobilized from S2 zones.											
			Traces of chalcopyrite noted with some of the pyrrhotite											
			zones.											
			N.B. Section 371-409 highly broken with quartzitic											
			sections being the best cored.											

Diamond Drill Record

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HOLE NO. 456-75-06
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS			STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu	Struct	Loc.	Value
422	463	79%	Sericite chlorite quartzite phyllite; greenish tan.	443	453	10	19513	Tr.	.01	.03	S2	449	25°
			Mineralization: 5-10% total sulfides of which most are	453	463	10	19514	.02	.02	.02	S2	480	15-25
			pyrrhotite and pyrite (50:50), no other sulfides										
			readily apparent. Most mineralization is parallel to										
			S2 with some (approx. 10-20%) along small fractures,										
			probably representing remobilization from S2.										
463	496	78%	Biotite-quartzite graphite(?) phyllite (similar to										
			section approx. 268-300), medium-gray. Thin (1/8")										
			dark gray mica and white banded quartzite layers, no										
			significant variations in quartzite content except at										
			397-398 quartz filled zone.										
			Mineralization: Trace to less than 2% total sulfides,										
			mainly pyrite along S2 and along randomly oriented										
			hairline fractures.										

Diamond Drill Record

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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
496	516	64%	Chlorite sericite quartz phyllite; greenish gray to	496½	498½	Split 2'core	19515	.02	.01	.07				
			light greenish gray - color varies due to silicate	506	516	Chip 10'	19516	.02	.02	.02				
			mineralogy (bleaching of above section 422-496).											
			Significant increase in sulfides over above section											
			(422-496').											
			Mineralization: 496-497½ - approximately 30% pyrite											
			and pyrrhotite, N.B. mineralization is vuggy.											
			Trace galena (?) - mostly parallel to S2 but some re-											
			mobilized into fractures.											
			497½-516 - 2-5% total sulfides nearly all pyrite as											
			no magnetic attraction. Nearly all parallel to S2											
			except for minor amounts at hairline fractures.											
			Core recovered: 265.8'											
			Footage cored: 395.0 (121-516)											
			Percent recovery: 67%											